

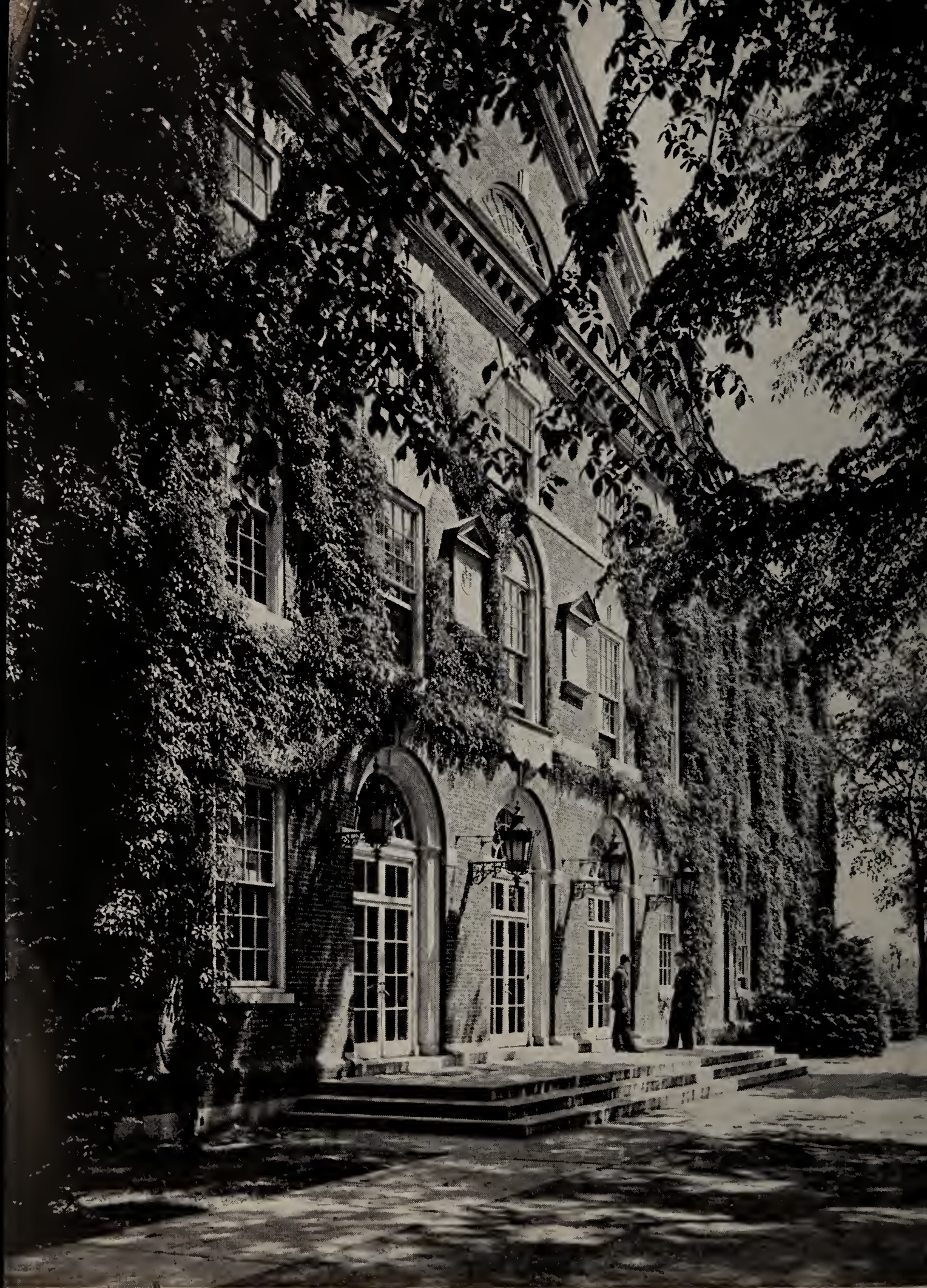


# The Andover Summer Session

*Tues., June 23 — Wed., August 19, 1953*

PHILLIPS ACADEMY, ANDOVER, MASSACHUSETTS





GEORGE WASHINGTON HALL  
Administration Building and Auditorium

Front Cover—SAMUEL PHILLIPS HALL—Main Classroom Building





## Phillips Academy

Phillips Academy in Andover, Massachusetts, is a college-preparatory, boarding school for boys. Now in its 175th year, Andover, as the Academy is often called, has an enrollment of over seven hundred students and a faculty of seventy-six. In the session, 1952-1953, its students came from forty states, the District of Columbia and seventeen foreign countries.

Phillips Academy is a liberal, modern school with a long tradition of national service and devotion to democratic ideals. It has always sought to develop in its students sound scholarship and manly character, with emphasis on resourcefulness, self-reliance, and independence.

Throughout the four years of its curriculum, Andover stresses thorough training in English, foreign languages, history, mathematics, and science. There are also other liberal arts courses. Large scholarship funds put the education which it offers within reach of any serious and able student in need of aid.

The town of Andover, in historic Essex County, is twenty-five miles north of Boston, from which it is easily reached by train, bus, or automobile.

## The Andover Summer Session

The Summer Session is an integral part of Phillips Academy. It was instituted in 1942 primarily as a war-time measure to enable boys from Andover and other schools to finish their secondary school education before being

called to military service and to get training which prepared them more rapidly and thoroughly for national service, both in the war emergency and beyond.

The Summer Session now has other important functions. It offers many younger boys the stimulating experience of school life away from home, the opportunity of making friends with boys from diverse localities and backgrounds, and the challenge of rigorous preparatory school standards. It gives boys who are planning to enter Andover in the fall an opportunity to strengthen their academic preparation and to adjust themselves to Andover standards and life. It also assists students who are short of normal class standing to make up their deficiencies. *The Andover Summer Session is not a tutoring or cramming school.*

In view of the present national emergency and the renewed impact of the draft on boys of high school age, many boys will wish to take advantage of the opportunity offered by the Summer Session to take courses which will enable them to graduate before being called to service or which will give them a more thorough and complete preparation than the normal courses they had been expecting to take in their regular program.

If the situation changes materially at any time, the Summer Session stands ready to modify and enlarge its program as seems necessary.

Up to the limit of its capacity, the Andover Summer Session welcomes **qualified boys from high schools and preparatory schools.**

The comprehensive curriculum of the Summer Session meets the varying needs of boys of different ages. Further, for all of its students the Session provides a well-rounded educational experience outside the classroom. All students attend daily assembly. In addition to daily sports, they participate in a rigorous program of body-building exercises.

## THE SUMMER SESSION CURRICULUM

A brief description of the courses offered in the Summer Session is given on pages 15-19 of this catalogue. *No course will be given unless it has a sufficient enrollment.* The time-schedule of the recitations may, in some instances, restrict the free choice of courses. Applicants for admission are expected to make known the courses which they wish to take, and will be informed of any conflicts of hours as soon as the schedule is fixed. If there is sufficient demand, courses not offered in the catalogue may be arranged.

Summer Session courses are of three main kinds, described below: major courses; minor courses doing advanced work; minor review courses. In general, it is expected that boys who attend for the summer only will take new and advanced work rather than review courses designed to make up previous failures.

### Major Courses

Major courses meet **two periods** a day, six days a week.

A major course is substantially the equivalent of a similar full course taken during the regular academic year at Phillips Academy. An Andover student who completes a major course in the Summer Session receives one unit of credit for it towards his diploma. Other secondary schools have been willing to give similar credit for such a course, but in each case individual arrangements must be made by the student with the school in question.

### Minor Courses

Minor courses meet **one period** a day, six days a week.

One type of minor course does advanced work and carries one-half unit of credit. In this category are courses in mathematics and sciences.

The other type of minor is the review course which provides opportunity to make up work failed during the regu-



lar school year or to strengthen foundations in basic subjects. Such courses are particularly helpful to a boy, who, planning to enter Phillips Academy in the fall, needs further grounding in the materials he will study the following year. Successful completion of a review course secures credit for that course at Phillips Academy without further examination.

### THE NORMAL PROGRAM

Each boy's program is carefully planned by his faculty adviser.

Each boy must take at least twelve hours of class-room work, but may not carry more than eighteen hours.

## The Language Institute

In response to numerous requests and suggestions, Phillips Academy will sponsor for the first time this summer a Language Institute. The work in this institute is designed to supplement rather than duplicate or repeat the work in regular English classes of high schools or preparatory schools. It will help boys to become more articulate in both their written and their oral work so that they may communicate their ideas to others more effectively. At the same time, they will learn to read and listen with more discrimination so that they may distinguish the facts of a presentation from the emotional overtones which so often serve only to obscure the author's or speaker's bias. Such skill in the use of language is necessary not only for success in almost all fields of learning, but for effective human relations in every aspect of life.

The Institute will begin this year with a single course open to boys in the eleventh and twelfth grades. A more detailed description of its contents will be found on page 19.

Since the Institute will be an integral part of the

Andover Summer Session, boys attending it will enjoy all the athletic and recreational facilities of the Summer Session as described elsewhere in this catalogue.

## **General Information**

### **RELIGIOUS SERVICES**

A simple religious service is held on Sundays in the early evening. Students are required to attend either this service or a service in one of the town churches.

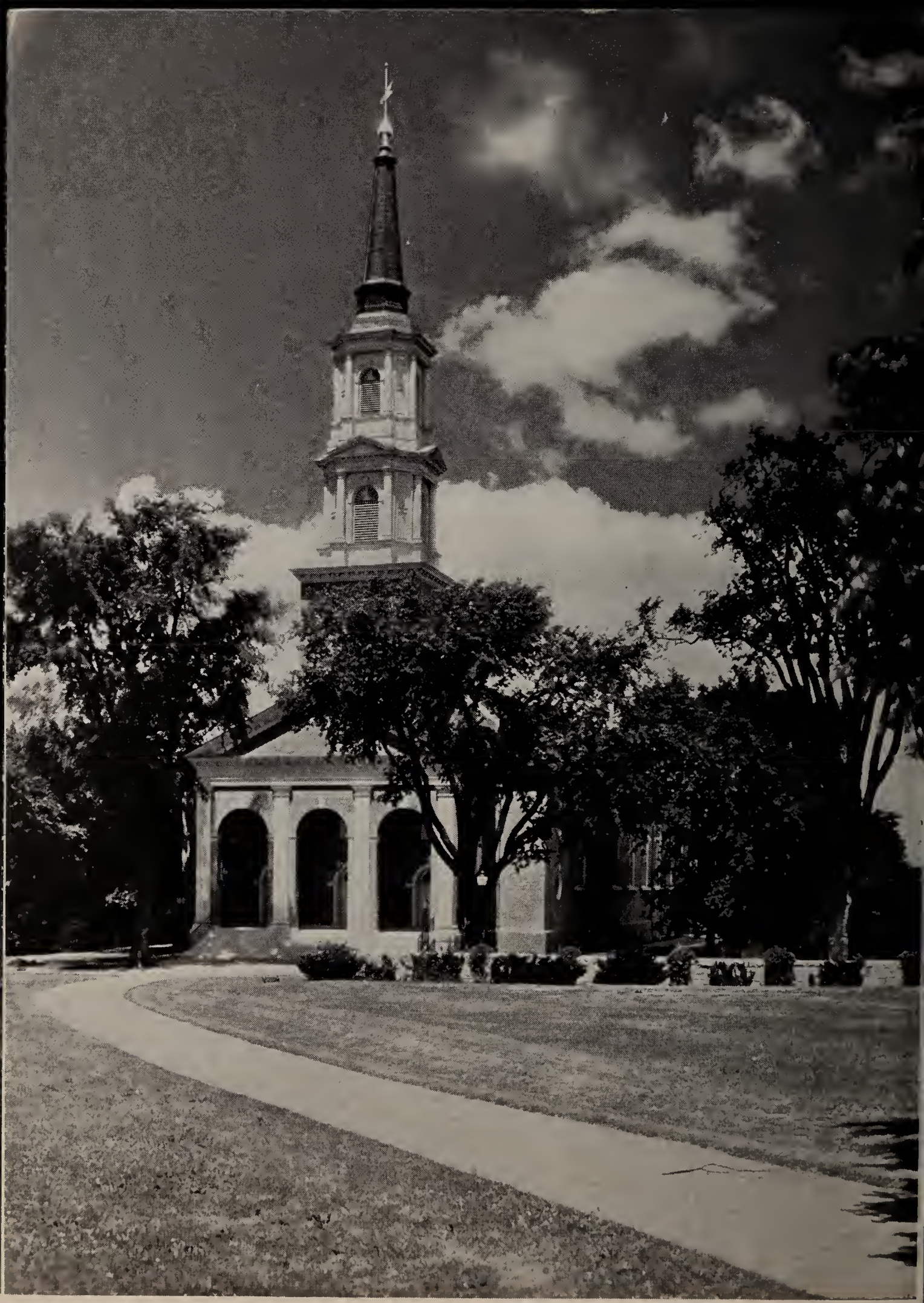
### **PHYSICAL FITNESS AND SPORTS**

The Summer Session has a comprehensive health and athletic program. Four days a week, each student, unless excused by the school physician, takes part in the athletic program. Ten minutes of body building exercises precede each athletic period.

Organized programs in tennis, swimming and baseball are offered. The numerous Academy playing fields, baseball diamonds, and tennis courts provide excellent facilities. The new six-lane swimming pool and separate diving pool is used for the regular swimming program. On rainy days keen competition is generated with organized dormitory basketball and volleyball leagues. On these occasions the new gymnasium with its four regulation basketball courts is put to good use. Also available for general use on rainy days are the pool, squash courts, badminton courts, wrestling room, and all the other facilities in the gym.

Frequently dormitory competitions in swimming, track, baseball, golf and tennis take the place of the regular daily athletic program. Dormitory competition scores are recorded and usually the winner of the dormitory competition is not decided until the last Saturday of the summer school when a field day and barbecue winds up the summer school athletic program. Sustained interest in dormitory





THE COCHRAN CHAPEL



competition over the entire summer does a good deal toward maintaining lively interest and giving the boys a chance to get to know each other intimately.

At the opening of the session a swimming test is given to each boy, and those who cannot swim are required to take lessons. Swimming instruction is also given to others who wish it. Emphasis is put upon a water-safety program.

Outdoor swimming is available in the Bobby Thompson Pond, an attractive small lake in the Moncrieff Cochran Sanctuary, ninety acres of woodland adjoining the Academy campus. In hours permitted for student swimming, a lifeguard is in attendance.

### HEALTH SUPERVISION AND MEDICAL CARE

In addition to directing the physical fitness program described above, the Academy Department of Health supervises the Summer Session diet, the health of food handlers, the condition of the swimming pool and pond, and other aspects of community hygiene.

A separate building serves as the Infirmary throughout the Summer Session with a trained nurse in residence and a physician available. In an emergency, hospitals and specialists of the city of Boston can be reached within an hour. There is no charge for care at the Infirmary in the event of minor injuries or illnesses of short duration. Extra charges are made if the services of private nurses or consultants prove necessary, or in the event of injuries or illnesses involving a physician's attention and more than three days' stay at the Infirmary. After the third day at the Infirmary a charge of \$3.00 a day is made.

In order to assist parents in budgeting such expense for extra medical care, blanket accident and health insurance is provided at no extra cost to Summer Session boarding students. This insurance covers the cost of doctors' bills and hospital care up to \$250.00 for any one sickness or accident.

## DISCIPLINE AND INDIVIDUAL RESPONSIBILITY

Attendance at the Andover Summer Session implies a serious purpose on the part of the student and a willingness to assume a large measure of responsibility for maintaining order and for cooperating directly in the running of the Session. Rules are few and simple, and are based on the assumption that the student is willing and able to discipline himself.

Dormitories have faculty supervision. The students themselves perform some of the everyday tasks connected with the operation of the school. They make their own beds, keep their rooms in order, serve themselves at meals, and take their turn at the regular work of the dining hall. Every student is required to meet all his appointments.

With the exception of the first and last weekends of the Session, students in good standing may go to their homes or visit friends' homes on weekends, leaving after their last appointment on Saturday and returning in time for evening study hours on Sunday. Similar privileges are allowed for Saturday and Sunday day trips to nearby places. But all out-of-town excuses may be withheld if a student's record is unsatisfactory or if, in the judgment of the faculty, his work would suffer through his absence.

Any student who shows himself unwilling to conform to the spirit of the Session, who neglects his work, or who is believed to exercise an injurious influence upon others may be dismissed at any time.

**The possession, the renting, or driving of any motor vehicle in the town of Andover is forbidden.**

## FACULTY AND EQUIPMENT

The Trustees and Headmaster of Phillips Academy have full authority over the Summer Session. Immediate control is in the hands of the Summer Session faculty and the Director. The faculty of about twenty-five men is drawn largely from the regular Academy teaching staff. All the



buildings, equipment, and facilities of the Academy are available for the Summer Session. Classes are held in the regular classroom buildings and students eat in the Commons and live in brick dormitories. The Oliver Wendell Holmes Library, containing over seventy thousand volumes, the Addison Gallery of American Art, and the museum of the Peabody Foundation for Archaeology are open throughout the summer.

### THE DAILY SCHEDULE

7:15	Breakfast
8:15-9:10	Class or study hour
9:15	Assembly
9:35-10:30	Class or study hour
10:35-11:30	Class or study hour
11:35-12:30	Class or study hour
12:30	Lunch
1:30-2:25	Class or study hour
3:00-3:30	Body-building
3:30-5:00	Sports
6:00	Dinner
8:00	Evening study period begins
9:30	Lights out for the younger boys
10:30	Lights out for the rest of the school

On Wednesday and Saturday afternoons, there will be no body-building or required sports.

### THE YOUNGER BOYS

Special provision is made for a limited number of younger boys who plan to enter the Junior, or first-year, class of Phillips Academy in September and who wish to gain experience for the regular Andover program. Unless ready for more advanced work, they study three subjects: Arithmetic, English, and either French or Latin. These courses are not accepted as college entrance units, but serve to strengthen a boy's foundation work and make the

adjustment to the Fall Term in Phillips Academy easier and more satisfactory.

### EXPENSES

The charge for a boarding student at the Summer Session is \$450, which covers tuition, room, and board. Each student is required to make a deposit of \$25 when his application is accepted. The balance of the charge is due in two installments: \$250 by July 1 and \$175 by August 1.

The charge for day students is \$175, which covers tuition and lunches, but no other meals. Day students are required to make a deposit of \$25 when admitted and to pay the balance by July 1.

All checks should be made payable to the Trustees of Phillips Academy. Preliminary deposits should be mailed to the Director of the Summer Session. July and August tuition checks should be mailed, upon receipt of bills, **directly to the treasurer of Phillips Academy.**

Dormitory rooms are equipped with furniture, bed linen, and blankets. Students must furnish their own desk lamps and, in addition to clothes, towels, and personal effects, such individual athletic equipment as they may wish. Expenses beyond the \$450 charge should be light. They will include small sums for personal laundry, books, incidentals, and spending money. Many of the books needed can be rented from the Academy Loan Library. All students are expected to live simply, and expenditures beyond the Summer Session charges and transportation need not exceed \$25.

### SCHOLARSHIPS

Ten full scholarships of \$450 each and a number of additional partial scholarships will be awarded to boys of unusual promise not previously enrolled in Phillips Academy whose chief purpose in coming to the Summer Session is to prepare more effectively for citizenship. Scholarship boys will be expected to take some small job necessary to



the smooth functioning of the Session, but such work will not interfere with full participation in the life of the school.

Awards will be based mainly on three factors: intellectual ability, character, and financial need. Also considered is achievement in some worth while activity outside the classroom; i.e., responsible participation in community affairs, student government, or other extra-curricular activity, or developed special interests of an intellectual or artistic nature.

Scholarship applications should be made on special blanks which will be furnished on request. These, together with the materials which they call for, must be returned to the Director by May 15. Awards will be made by May 25. Although funds for scholarship aid are limited, it is hoped that no outstanding student of serious purpose will be prevented for financial reasons from enrolling.

### ADMISSION

Because of the purpose and nature of the Summer Session, entrance examinations are not required of regular Summer Session students. All students, however, must present acceptable evidence of serious purpose, good character, and ability to meet the scholastic standards of Phillips Academy. Whenever possible, a personal interview should be arranged. **Since the capacity of the Summer Session is definitely limited, early application is highly desirable.**

An applicant for admission should fill out completely the form in the back of this catalogue and send it, together with all materials which it requests, to the Director. The Summer Session will then send to the principal of the school which the applicant last attended a request for official records of his work and a certificate attesting his good character.

If a student wishes to obtain academic credit at his school for work done in the Summer Session, he should secure the approval of his principal in advance.



FROM THE PORTICO OF SAMUEL PHILLIPS HALL



## Courses Offered

The number of courses a student is permitted to carry is stated on page 6 of this catalogue. Please read this carefully before filling out an application blank.

The symbol **R** after a course title indicates a review course. All other courses, whether major or minor, do new or advanced work.

Major courses ordinarily meet 12 hours a week and minor courses 6 hours a week.

### MATHEMATICS

#### **Mathematics 4** **12 Hours**

The regular fourth-year course in elementary mathematics. Prerequisite is the satisfactory completion of three years' work in secondary mathematics: namely, elementary and intermediate algebra and plane geometry. For the Summer Session the course comprises any **two** of the following three parts.

**Any one part may be taken as a separate minor course.**

#### ***Mathematics 4 T*** **6 Hours**

Plane trigonometry and logarithms.

#### ***Mathematics 4 S*** **6 Hours**

Solid geometry. Spatial relations, constructions, loci, and computations will be emphasized.

#### ***Mathematics 4 A*** **6 Hours**

The study of the following topics in advanced algebra: imaginary and complex numbers, the theory of higher degree equations, determinants, permutations, combinations, probability, scales of notation, undetermined coefficients, summation of series, inequalities and mathematical induction.

**Mathematics 3 R** **6 Hours**

A general review of plane geometry.

**Mathematics 2** **12 Hours**

A course in elementary and intermediate algebra for which a thorough grounding in at least one year of algebra is prerequisite.

**Mathematics 2 R** **6 Hours**

A general review of elementary and intermediate algebra.

**Mathematics 1** **12 Hours**

The beginning course in algebra covering the subject through the solution of simultaneous equations, one linear and the other quadratic.

**Mathematics 1 R** **6 Hours**

A general review of first-year algebra, designed to anticipate the second-year study in this field.

**Arithmetic** **6 Hours**

Basic preparation for the first year in mathematics in Phillips Academy, this course covers the fundamental processes with whole, fractional, decimal, and denominate numbers; percentage, simple interest relations and applications; square root; common tables of measures; mensuration of areas and volumes; elementary graphing of statistical material; and mental drill.

**SCIENCES**

**Physics** **12 Hours**

This course consists of two parts, given concurrently. Each part includes laboratory work. Successful completion of both halves of the course will secure credit for a year's work in Physics.

Either part may be taken as a separate minor course, although not in combination with a major course.

**Physics A** **6 Hours**

Mechanics and Heat.

**Physics B** **6 Hours**

Magnetism, Electricity, Light, and Sound.



## **Chemistry**

**12 Hours**

Emphasis is placed upon an understanding of the fundamental concepts of chemistry and upon sound reasoning based on those concepts. Whenever possible, the applications of chemistry to post-war problems will be stressed. The course includes laboratory work.

## **ART**

### **Old and New Art**

**6 Hours**

Why is a Greek temple perched on a New York skyscraper? How does the livingroom rug change the apparent color of the walls? What do the Golden Gate Bridge and a rope walk of ancient China have in common? How can space be represented in a picture without the use of optical perspective? How real is a photograph? Questions such as these arise during the discussion of various art forms in the fields of architecture, sculpture and painting which are studied so as to establish a basis for understanding the appearance of the civilization we live in. Work in the studio is planned in relation to classroom discussion.

This course is intended primarily for the *general* student. No previous technical experience is required. The course will be limited to 15 students.

This course may be credited as equivalent to the regular course in Art and Music.

## **FOREIGN LANGUAGES**

### **Major Courses**

**12 Hours**

The following courses are offered: **French 1; French 2; German 1; Latin 2; and Spanish 1.** These are designed to cover as nearly as possible the equivalent of the regular year's work in the respective courses. They are open a) to students of superior ability who wish to take more language courses than would be possible in the schedule of the regular year; and b) to those who require an additional year of language to fulfil diploma requirements.

### **Minor Courses**

**6 Hours**

Review courses are offered in **French 1R, German 1R, Latin 1R, and Spanish 1R; French 2R, German 2R, Latin 2R, and Spanish 2R.**

These are designed primarily for students who, because of deficiency in the regular year, must make up the work in a particu-

lar language; and for students who wish to ensure a better foundation for further study.

### **Pre-Junior Latin, Pre-Junior French**

These courses are planned for incoming Juniors who wish to improve their study habits, to learn the value of accuracy and careful attention to detail, and to gain a preliminary acquaintance with the language of their choice. The course may cover approximately one-third of the work done in the regular year.

**The courses in French** are conducted **exclusively** in the foreign tongue, following the methods in effect during the regular session. They aim to develop the four skills of reading comprehension, aural comprehension, speaking ability and writing ability.

The small sizes of the classes, the intensive nature of the courses, and the freedom from outside distractions, provide an excellent opportunity for the serious student.

## **ENGLISH**

### **English 4 A**

**6 Hours**

This course gives training in reading and writing at the level of English 4, with emphasis upon the analysis and exposition of ideas. The readings are mainly in the essay, the drama, and the novel. The composition work stresses the fundamentals of rhetoric, including organization of materials, paragraphing, and sentence structure.

### **English 3**

**12 Hours**

This course gives training in composition, with emphasis upon exposition, and upon the understanding and appreciation of various types of literature. It is a major course, the successful completion of which secures admission to English 4.

**The other English courses** are all review courses for students who wish to make up deficiencies in English or to strengthen their foundation in the subject. Each, at the appropriate level of difficulty, gives training in the basic skills of reading, writing, and speech, and in the understanding and appreciation of various types of literature.

The following review courses, **all of 6 hours**, are offered: **Pre-Junior English; English 1 R; English 2 R; and English 3 R.**



## THE LANGUAGE INSTITUTE

### The Art of Communication

18 Hours

Open to boys in the eleventh and twelfth grades, this course is concerned with efficiency of expression both oral and written. As such, it supplements but does not replace the study of language in regular English and foreign language courses.

The effectiveness of a student in history, economics, the sciences, foreign languages, and literature depends upon his ability to understand and evaluate what he reads and to communicate his knowledge and thoughts within these fields. This ability is quite apart from his appreciation of literature. Therefore, some of the elements of language examined in this course are the problems of definition (assigning to key terms exact meanings), multiple meanings of words and the effect of context on meaning, abstractions and symbols, the difference between statements of fact and of opinion and that between language used to convey information and language whose chief function is to express and arouse feeling. All this calls for close **reading** and carefully corrected **writing** in as many fields of study as possible, together with the **oral expression** of these same ideas.

Materials will be drawn from many sources such as newspapers, magazines, political speeches and writing, and advertising as well as from social studies and literature.

Approximately twelve hours a week will be devoted to written work and six hours to oral.

### DIRECTED READING

In the Summer Session, all boys, whether members of English classes or not, are given the chance to read good books under the guidance of a teacher of English and of the School Librarians. This directed reading will bring great profit and pleasure to any boy who will avail himself of the opportunity.

### MUSIC

Students are encouraged to bring with them their musical instruments. Pianos are available for practice and instruction in piano may be scheduled at moderate extra expense.

## The 1952 Summer Session Faculty

John Mason Kemper, A.M., L.H.D.	<i>Headmaster</i>
Henry Hopper	<i>Associate Treasurer and Comptroller</i>
Richard Sawyer Pieters, A.M.	<i>Director</i>
Frederick Scouller Allis, Jr., A.M.	<i>English</i>
Alfred Graham Baldwin, A.B., B.D., D.D.	<i>School Minister</i>
Cornelius Gordon Schuyler Banta, S.B.	<i>Mathematics</i>
William Hayes Brown, A.M.	<i>English</i>
John Kingsbury Colby, A.M.	<i>Latin</i>
Standish Deake, A.B. ( <i>Milton Academy</i> )	<i>Physics</i>
Frank Frederic DiClemente, S.B.	<i>Athletics</i>
Douglas Mansor Dunbar, A.B.	<i>Mathematics</i>
Donald C. Dunbar, A.M. ( <i>Westminster School</i> )	<i>Mathematics</i>
Rees J. Frescoln, Jr., A.M. ( <i>Millbrook School</i> )	<i>English</i>
Alexander Dunnett Gibson, A.M.	<i>French</i>
Allen George Gillingham, Ph.D.	<i>German</i>
William F. Graham, S.B. ( <i>Browne and Nichols School</i> )	<i>Mathematics</i>
Fred H. Harrison, A.M. ( <i>Berkshire School</i> )	<i>English</i>
Bartlett Harding Hayes, Jr., A.B.	<i>Art</i>
John Richard Lux, A.B.	<i>Mathematics</i>
Francis Bertrand McCarthy, A.B.	<i>English</i>
John C. McClement, Ed.M. ( <i>Kiskiminetas Springs School</i> )	<i>Mathematics</i>
Donald Emery Merriam, A.M.	<i>Spanish</i>
Lionel Denis Peterkin, A.M.	<i>Latin</i>
Stephen Stanley Sorota, S.B.	<i>Athletics</i>
Charles Henry Stevens, A.M.	<i>Latin</i>
Robert Bates Taylor, A.M.	<i>Spanish</i>
Wendell H. Taylor, Ph.D. ( <i>Lawrenceville School</i> )	<i>Chemistry</i>
Chycherle Waterston, A.M., D. ès L. ( <i>Brooks School</i> )	<i>French</i>
Stephen Whitney, A.M.	<i>French</i>